

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/526,113
		Filing Date	(Intl.) September 1, 2003
		First Named Inventor	Mariagrazia PIZZA
		Art Unit	1645
		Examiner Name	L. J. Tongue
Sheet	1	of	2
		Attorney Docket Number	PAT051720-US-PCT

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	1.	US-6,028,049	02-22-2000	Jacobs	
	2.	US-6,180,111	01-30-2001	Stein et al.	
	3.	US-6,355,253	03-12-2002	Zlotnick	
	4.	US-6,451,317	09-17-2002	Blake et al.	
	5.	US-7,018,636	03-28-2006	Bhattacharjee et al.	
	6.	US-7,612,192	11-03-2009	Fraser et al.	
	7.	US-20060029621	02-09-2006	Granoff et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>3</sup> -Number <sup>3</sup> -Kind Code <sup>3</sup> (if known)	MM-DD-YYYY			
/L.T./	8.	EP-0011243	05-28-1980	Boehringerwerke Aktiengesellschaft		
/L.T./	9.	WO-9533049	12-07-1995	Pasteur Merieux Serums et al.		
/L.T./	10.	WO-9713860	04-17-1997	Pasteur Merieux Serums et al.	NOT translated	
/L.T./	11.	WO-99/033488	07-08-1999	Smithkline Beecham Biologicals S.A.		
/L.T./	12.	WO-9961053	12-02-1999	Chiron Corporation		
/L.T./	13.	WO-0066791	11-09-2000	Chiron Corporation		
/L.T./	14.	WO-01/34642	05-17-2001	University Of Iowa Research Foundation		
/L.T./	15.	WO-0152885	07-26-2001	Chiron S.P.A.		
/L.T./	16.	WO-02/09643	02-07-2002	Children's Hospital & Research Center At Oakland		
/L.T./	17.	WO-2004/019977	03-11-2004	Chiron SRL		
/L.T./	18.	WO-2005/004908	01-20-2005	Chiron SRL		

Examiner Signature	Date Considered
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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>4</sup>
	19.	ALA'ALDEEN et al. (1996). "The Meningococcal Transferrin-binding Proteins 1 and 2 are Both Surface Exposed and Generate Bactericidal Antibodies Capable of Killing Homologous and Heterologous Strains." Vaccine 14(1):49-53.			

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/L.T./	20. ARIGITA, C. et al. (2001). "Outer Membrane Protein Purification," Methods in Molecular Medicine, vol. 66: Meningococcal Vaccines: Methods and Protocols. Edited by: A.J. Pollard and M.C.J. Maiden. Pages 61-79.	
/L.T./	21. BJUNE et al. (1991). "Effect of outer membrane vesicle vaccine against group B meningococcal disease in Norway," Lancet 338(8775):1093-1096.	
/L.T./	22. FREDRIKSEN et al. (1991). "Production, characterization and control of MenB-vaccine "Folkhelsen": an outer membrane vesicle vaccine against group B meningococcal disease," NIPH Annals 14:67-79.	
/L.T./	23. International Preliminary Examination Report mailed August 23, 2000, for international patent application no. PCT/US99/11977, filed May 28, 1999.	
/L.T./	24. JODAR, L. et al. (2002). "Development of vaccines against meningococcal disease," The Lancet, vol. 359, pages 1499-1508.	
/L.T./	25. KOEBERLING et al. (2007). "Improved immunogenicity of a H44/76 group B outer membrane vesicle vaccine with over-expressed genome-derived Neisserial antigen 1870," Vaccine 25:1912-1920.	
/L.T./	26. LEGRAIN, M. et al. (1993). "Cloning and characterization of Neisserial meningitis genes encoding the transferrin-binding proteins Tbp1 and Tbp2," Gene, vol. 130, pages 73-80.	
/L.T./	27. LEGRAIN et al. (1995). "Production of Lipidated Meningococcal Transferrin Binding Protein 2 in Escherichia Coli," Protein Expression and Purification 6:570-578.	
/L.T./	28. PEETERS et al. (1996). "Phase I clinical trial with a hexavalent PorA containing meningococcal outer membrane vesicle vaccine," Vaccine 14(10):1009-1015.	
/L.T./	29. RENAULD-MONGENIE et al. (1997). "Identification of Human Transferrin-Binding Sites Within Meningococcal Transferrin-Binding Protein B," J. Bacteriology 197(20):6400-6407.	
/L.T./	30. ROSENQVIST et al. (1998). "Effect of Aluminum Hydroxide and Meningococcal Serogroup C Capsular Polysaccharide on the Immunogenicity and Reactogenicity of a Group B Neisseria meningitidis Outer Membrane Vesicle Vaccine," Developments in Biological Standardization, Vol. 92, pp. 323-333.	
/L.T./	31. SCHWAN, T. et al. (1999). "Genetic methods in Neisseria," Methods in Microbiology, vol. 29: Genetic Methods for Diverse Prokaryotes. Edited by Margaret C.M. Smith & R. Elizabeth Sockett, pages 171-190.	
/L.T./	32. SHANG, E. et al. (2000). "Comparison of Protection in Rabbits against Host-Adapted and Cultivated Borrelia burgdorferi following Infection-Derived Immunity or Immunization with Outer Membrane Vesicles or Outer Surface Protein A," Infection and Immunity, vol. 68, no. 7, pages 4189-4199.	
/L.T./	33. SKARE, J. et al. (1995). "Virulent Strain Associated Outer Membrane Proteins of Borrelia burgdorferi," The Journal of Clinical Investigation, Inc. vol. 96, pages 2380-2392.	
/L.T./	34. TETTELIN et al. (2000). "Complete genome sequence of Neisseria meningitidis serogroup B strain MC58," Science 287:1809-1815.	
/L.T./	35. "VA-MENGOC-BC," Product information from S.C.S. Farmacia Manes, Argentina. 1 page. not translated	
/L.T./	36. WEST, D. et al. (2001). "Recombinant Neisseria meningitidis Transferrin Binding Protein A Protects against Experimental Meningococcal Infection," Infection and Immunity, vol. 69, no. 3, pages 1561-1567.	

Examiner Signature	/Lakia Tongue/	Date	01/29/2011
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\*EXAMINER: Initial of reference considered, whether or not citation is in con- sidered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). \*Applicant is to

ferred through citation if not in conformance and not nguage Translation is attached.